

AMENDMENTS TO THE CLAIMS

Claims 1-52 (Cancelled)

Claim 53 (Withdrawn) A data transmission method for sequentially transmitting data in packet units each containing transmission data from a transmitting end to a receiving end, said data transmission method comprising:

transmitting an uncompressed packet in which predetermined transmission data is stored as uncompressed data;

subsequently continuously transmitting compressed packets in which at least a portion of transmission data following the predetermined transmission data is compressed and stored as compressed data; and

forming compressed data that is to be stored in any packet other than the uncompressed packet, based on an update information relating to a packet which has been transmitted prior to the packet to be compressed and transmission data of the packet to be compressed.

Claim 54 (Withdrawn) The data transmission method of Claim 53, wherein the update information is in a header portion of a packet unit.

Claim 55 (Withdrawn) The data transmission method of Claim 53, further comprising:

setting information relating to the uncompressed packet as an initial value of the update information; and

updating the update information to information relating to a specific compressed packet every time the specific compressed packet is formed,

wherein the specific compressed packet has the update information.

Claim 56 (Withdrawn) The data transmission method of Claim 53, wherein said subsequently continuously transmitting compressed packets comprises transmitting the specific compressed packet to the receiving end at a predetermined interval.

Claim 57 (Withdrawn) The data transmission method of Claim 53, wherein said subsequently continuously transmitting compressed packets comprises transmitting the specific compressed packet to the receiving end every time a predetermined number of compressed packets have been transmitted.

Claims 58-62 (Cancelled)

Claim 63 (Withdrawn) A data transmission apparatus for sequentially transmitting data in packet units each containing transmission data from a transmitting end to a receiving end, said apparatus comprising:

a transmission unit operable to transmit an uncompressed packet in which predetermined transmission data is stored as uncompressed data, and then to continuously transmit compressed packets in which at least a portion of transmission data following the predetermined transmission data is compressed and stored as compressed data; and

a formation unit operable to form compressed data that is to be stored in any packet other than uncompressed packet, based on an update information relating to a packet which has been transmitted prior to the packet to be compressed and transmission data of the packet to be compressed.

Claim 64 (Withdrawn) The data transmission apparatus of Claim 63, wherein the update information is in a header portion of a packet unit.

Claim 65 (Withdrawn) The data transmission apparatus of Claim 63, further comprising a unit operable to:

set information relating to the uncompressed packet as an initial value of the update information; and

subsequently update the update information to information relating to a specific compressed packet every time the specific compressed packet is formed,

wherein the specific compressed packet has the update information.

Claim 66 (Withdrawn) The data transmission apparatus of Claim 63, wherein said transmission unit is further operable to transmit the specific compressed packet to the receiving end at a predetermined interval.

Claim 67 (Withdrawn) The data transmission apparatus of Claim 63, wherein said transmission unit is further operable to transmit the specific compressed packet to the receiving end every time a predetermined number of compressed packets have been transmitted.

Claims 68-72 (Cancelled)

Claim 73 (New) A data reception method for continuously receiving, from a transmitting end, packets containing transmission data, the data receiving method comprising:

- receiving an uncompressed packet including uncompressed transmission data;
- continuously receiving compressed packets, each compressed packet including compressed transmission data;

- restoring compressed transmission data from a received compressed packet based on reference data and based on compressed data included in the received compressed packet;

- receiving a compressed packet including an update flag, the update flag indicating whether to update the reference data according to which compressed transmission data is restored; and

- updating the reference data based on a received update flag indicating that the reference data is to be updated.

Claim 74 (New) The data reception method according to claim 73, further comprising:

- transmitting a restoration error notification when a restoration error occurs during the restoring of the compressed transmission data from the received compressed packet;

- receiving an uncompressed packet from the transmitting end; and

updating the reference data based on uncompressed transmission data included in the uncompressed packet received from the transmitting end.

Claim 75 (New) The data reception method according to claim 73, further comprising:

transmitting a request, to the transmitting end, to update the reference data;

receiving a compressed packet from the transmitting end, the compressed packet received from the transmitting end including an update flag indicating updating of the reference data; and

updating the reference data based on compressed transmission data included in the compressed packet received from the transmitting end;

Claim 76 (New) A data reception apparatus for continuously receiving, from a transmitting end, packets containing transmission data, the data reception apparatus comprising:

a reception unit operable to receive an uncompressed packet including uncompressed transmission data, and operable to continuously receive compressed packets, each compressed packet including compressed transmission data;

a restoration unit operable to restore compressed transmission data from a received compressed packet based on reference data and based on compressed data included in the received compressed packet; and

an update unit operable to receive a compressed packet including an update flag indicating whether to update the reference data according to which the restoration unit restored compressed transmission data, and operable to update the reference data based on a received update flag indicating that the reference data is to be updated.

Claim 77 (New) The data reception apparatus according to claim 76, further comprising a transmission unit operable to transmit a restoration error notification when a restoration error occurs during restoration of the compressed transmission data from the compressed packet by the restoration unit, wherein the reception unit receives an uncompressed packet from the transmitting end, and the update unit updates the reference

data based on uncompressed transmission data included in the uncompressed packet received, from the transmitting end, by the reception unit.

Claim 78 (New) The data reception apparatus according to claim 76, further comprising a transmission unit operable to transmit, to the transmitting end, a request to update the reference data, wherein the reception unit receives a compressed packet including an update flag indicating updating of the reference data, the reception unit receiving the compressed packet from the transmitting end, and wherein the update unit updates the reference data based on compressed transmission data included in the compressed packet received, from the transmitting end, by the reception unit.